IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
In re application of:
SAMESHIMA, et al.
Serial No.: 09/892,457 Group Art Unit: 1714
Filed: June 28, 2001 Examiner: SHOSHO, C. E.
For: RESOLE-TYPE PHENOL RESIN COMPOSTION AND METHOD FOR CURING THE SAME

DECLARATION UNDER 37 CFR §1.132

I, Kunio Mori , hereby declare and state that:

1. I am a citizen of Japan, residing at 5-5-15 ,Kimizuka ,Ichihara-shi Chiba, Japan.

2. I work in the section of Dainippon Ink and Chemicals, Inc., in which research and development related to the present invention were performed. I am fully familiar with the subject matter of the present application as well as the references relied upon by the Examiner in the prosecution of this application.

3. I obtained a master's degree from Science University of Tokyo , Faculty of Engineering, Department Of Industrial Chemistry , in March 1980, where I studied Organometallic chemistry.

4. I am currently employed by Dainippon Ink and Chemicals, Inc., and began working for Dainippon Ink and Chemicals, Inc., in April 1980 , where I have engaged in research and development relating to phenol resin.

5. I have conducted the comparative tests described below:

Object of Comparative Tests

The purpose of the tests is to clarify that the effects of the present invention do not occur when accelerators disclosed in Gerber (US 5,294,649) are used instead of the ammonium thiosulfate.

Comparative test data were compared with the data of Example 1, 2, and 3 of the original specification.

Comparative Tests

Compositions shown in the following Table were prepared. Instead of ammonium thiosulfate used in the present invention, accelerators disclosed in Gerber were used. Using thus prepared compositions, curing reactions

were performed as in the Example of the present application. The results of the curing is also shown in the following Table.

Items	Prep. 1	Prep. 2	Prep. 3	Prep. 4
Resole resin (parts)	100	100	100	100
Magnesium oxide (parts) Calcium hydroxide (parts) Barium hydroxide (parts)	1	10	5000	5000
Ammonium thiosulfate (parts)	0	0	0	0
Accelerator X	10	1	-	-
Accelerator Y	-	-	10	1
Curing Temp (°C)	15	15	15	15
Cured State	uncured	cured softly	uncured	cured softly
Curing Time	>24h	>24h	>24h	>24h

Accelerator X: 2,4,6-tris(dimethylaminomethyl)phenol

Accelerator Y: 1,4-diazabicyclo[2.2.2]octane

Conclusion

From the results shown in the above Table, it is clear that the effects of the present invention do not occur when accelerators disclosed in Gerber (US 5,294,649) are used instead of the ammonium thiosulfate. Therefore,

6. I understand fully the content of this declaration.

7. I, Kunio Mori, the undersigned declarant declares further that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further, that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001, of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date:June 7, 2005

Kunio Mori